Surface Science 197 (1988) 596–600
North-Holland, Amsterdam

AUTHOR INDEX

Allen, R.E., see Menon 197 (1988) L237
Amos, A.T., see Sulston 197 (1988) 555
Au, C.T., W. Hirsch and W. Hirschwald, Adsorption of carbon monoxide and carbon dioxide on annealed and defect zinc oxide (000$\bar{1}$) surfaces studied by photoelectron spectroscopy (XPS and UPS) 197 (1988) 391

Bardi, U., see Tamura 197 (1988) L281
Barnard, J.A., P. Wynblatt, W.C. Johnson and W.W. Mullins, Surface segregation in solid and liquid Sn–Pb alloys 197 (1988) 363
Barteau, M.A., see Vohs 197 (1988) 109
Barteau, M.A., see Davis 197 (1988) 123
Bensaoula, A., see Grossman 197 (1988) 99
Bent, B.E., see Mate 197 (1988) 183
Bethune, D.S., A.C. Luntz, J.K. Sass and D.K. Roe, Optical analysis of thin-layer electrochemical cells for infrared spectroscopy of adsorbates 197 (1988) 44
Bindi, R., H. Lanteri and P. Rostaing, Transport model of scattering processes of keV electrons in aluminium 197 (1988) 295
Bowker, M., I. Parker and K.C. Waugh, The application of surface kinetic data to the industrial synthesis of ammonia 197 (1988) L223
Bunker, G.B., see Toreis 197 (1988) 415

Campbell, C.T., see Rodriguez 197 (1988) 567
Campbell, S., see Cotter 197 (1988) 208
Carim, A.H., see Hochella, Jr. 197 (1988) L260
Cotter, M., S. Campbell, R.G. Egdell and W.C. Mackrodt, Growth of ordered BaO overlayers on MgO(001) 197 (1988) 208

Dai, H.L., see Heskett 197 (1988) 225
Davis, J.L. and M.A. Barteau, The influence of oxygen on the selectivity of alcohol conversion on the Pd(111) surface 197 (1988) 123
Davison, S.G., see Sulston 197 (1988) 555
Debernardi, J., see Delaunay 197 (1988) L273
Delaunay, M., R. Geller, J. Debernardi, P. Ludwig and P. Sortais, Electron emission from a metal surface bombarded by highly charged ions 197 (1988) L273
Diebold, U., A. Preisinger, P. Schattschneider and P. Varga, Angle resolved electron energy loss spectroscopy on graphite 197 (1988) 430
Ding, Z.-J. and R. Shimizu, Monte Carlo study of backscattering and secondary electron generation 197 (1988) 539
Domke, M., see Mandel 197 (1988) 81
Dose, V., see Drube 197 (1988) 317
Drube, R., V. Dose and A. Goldmann, Empty electronic states at the (1×1) and (5×20) surfaces of Pt(100): an inverse photoemission study 197 (1988) 317
Duke, C.B., A. Paton, Y.R. Wang, K. Stiles and A. Kahn, Dynamical analysis of low-energy electron diffraction intensities from CdSe(10$\bar{1}$0) 197 (1988) 11

Surface Science 197 (1988) 596–600
North-Holland, Amsterdam

AUTHOR INDEX

Allen, R.E., see Menon 197 (1988) L237
Amos, A.T., see Sulston 197 (1988) 555
Au, C.T., W. Hirsch and W. Hirschwald, Adsorption of carbon monoxide and carbon dioxide on annealed and defect zinc oxide (000$\bar{1}$) surfaces studied by photoelectron spectroscopy (XPS and UPS) 197 (1988) 391

Bardi, U., see Tamura 197 (1988) L281
Barnard, J.A., P. Wynblatt, W.C. Johnson and W.W. Mullins, Surface segregation in solid and liquid Sn–Pb alloys 197 (1988) 363
Barteau, M.A., see Vohs 197 (1988) 109
Barteau, M.A., see Davis 197 (1988) 123
Bensaoula, A., see Grossman 197 (1988) 99
Bent, B.E., see Mate 197 (1988) 183
Bethune, D.S., A.C. Luntz, J.K. Sass and D.K. Roe, Optical analysis of thin-layer electrochemical cells for infrared spectroscopy of adsorbates 197 (1988) 44
Bindi, R., H. Lanteri and P. Rostaing, Transport model of scattering processes of keV electrons in aluminium 197 (1988) 295
Bowker, M., I. Parker and K.C. Waugh, The application of surface kinetic data to the industrial synthesis of ammonia 197 (1988) L223
Bunker, G.B., see Toreis 197 (1988) 415

Campbell, C.T., see Rodriguez 197 (1988) 567
Campbell, S., see Cotter 197 (1988) 208
Carim, A.H., see Hochella, Jr. 197 (1988) L260
Cotter, M., S. Campbell, R.G. Egdell and W.C. Mackrodt, Growth of ordered BaO overlayers on MgO(001) 197 (1988) 208

Dai, H.L., see Heskett 197 (1988) 225
Davis, J.L. and M.A. Barteau, The influence of oxygen on the selectivity of alcohol conversion on the Pd(111) surface 197 (1988) 123
Davison, S.G., see Sulston 197 (1988) 555
Debernardi, J., see Delaunay 197 (1988) L273
Delaunay, M., R. Geller, J. Debernardi, P. Ludwig and P. Sortais, Electron emission from a metal surface bombarded by highly charged ions 197 (1988) L273
Diebold, U., A. Preisinger, P. Schattschneider and P. Varga, Angle resolved electron energy loss spectroscopy on graphite 197 (1988) 430
Ding, Z.-J. and R. Shimizu, Monte Carlo study of backscattering and secondary electron generation 197 (1988) 539
Domke, M., see Mandel 197 (1988) 81
Dose, V., see Drube 197 (1988) 317
Drube, R., V. Dose and A. Goldmann, Empty electronic states at the (1×1) and (5×20) surfaces of Pt(100): an inverse photoemission study 197 (1988) 317
Duke, C.B., A. Paton, Y.R. Wang, K. Stiles and A. Kahn, Dynamical analysis of low-energy electron diffraction intensities from CdSe(10$\bar{1}$0) 197 (1988) 11

Easwarakhanthan, T., C. Michel and S. Ravelet, Numerical method for the ellipsometric determination of optical constants and thickness of thin films with microcomputers 197 (1988) 339
Egdell, R.G., see Cotter 197 (1988) 208
Eichenauer, D. and J.P. Toennies, Pairwise additive potential models for the interaction of He atoms with the (001) surfaces of LiF, NaF, NaCl and LiCl 197 (1988) 267
Ertl, G., see Ladas 197 (1988) 153

Falcone, G., see Sroubek 197 (1988) 528
Feldman, L.C., see Zinke-Allmang 197 (1988) 1
Flores, F., see Louis 197 (1988) L269
Fowler, P.W. and P. Tole, Effects of coordination number on surface ions: an ab initio study of LiF and MgO 197 (1988) 457

Geller, R., see Delaunay 197 (1988) L273
George, S.M., see Tro 197 (1988) L246
Goldmann, A., see Drube 197 (1988) 317
Grossman, E., A. Bensaoula and A. Ignatiev, An XPS study of XeF_2 dry etching of tungsten silicide 197 (1988) 99

Halicioglu, T., Fluxional nature of gas-phase clusters 197 (1988) L233
Hegde, M.S., Reply to "Comment on 'XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy' " by W. Unger 197 (1988) L294
Heskett, D., L.E. Urbach, K.J. Song, E.W. Plummer and H.L. Dai, Oxygen and pyridine on Ag(110) studied by second harmonic generation: coexistence of two phases within monolayer pyridine coverage 197 (1988) 225
Hirsch, W., see Au 197 (1988) 391
Hirschwald, W., see Au 197 (1988) 391
Hitchen, G. and S. Thurgate, Azimuthal angular dependence of LEED fine structure from Cu(001) 197 (1988) 24
Hochella, Jr., M.F. and A.H. Carim, A reassessment of electron escape depths in silicon and thermally grown silicon dioxide thin films 197 (1988) L260
Hoffmann, R., see Jansen 197 (1988) 474
Hughes, H.P., see Soole 197 (1988) 250
Huzimura, R., H. Kurisu and T. Okuda, Interaction of CO with surface defects of MgO: a high vacuum ESR study 197 (1988) 444

Ignatiev, A., see Grossman 197 (1988) 99
Imbihl, R., see Ladas 197 (1988) 153

Jaeger, N., see Lamber 197 (1988) 402
Jansen, S.A. and R. Hoffmann, Surface chemistry of transition metal carbides: a theoretical analysis 197 (1988) 474
Johnson, W.C., see Barnard 197 (1988) 363
Jørgensen, B., see Morgen 197 (1988) 347

Kahn, A., see Duke 197 (1988) 11
Kaindl, G., see Mandel 197 (1988) 81
Kao, C.-T., see Mate 197 (1988) 183
Kasai, H., see Nakanishi 197 (1988) 515

Kassim, H.A., see Yousif 197 (1988) 509
Kelley, R.D., see Nicol 197 (1988) 67
Khalid, S.M., see Toreis 197 (1988) 415
Kinkus, T.J., see Wang 197 (1988) 327
Kurisu, H., see Huzimura 197 (1988) 444

Ladas, S., R. Imbihl and G. Ertl, Microfacetting of a Pt(110) surface during catalytic CO oxidation 197 (1988) 153
Lamber, R., N. Jaeger and G. Schulz-Ekloff, Electron microscopy study of the interaction of Ni, Pd and Pt with carbon. I. Nickel catalyzed graphitization of amorphous carbon 197 (1988) 402
Lanteri, H., see Bindi 197 (1988) 295
Lee, K.C., see Wang 197 (1988) 239
Louis, E. and F. Flores, Many-body effects in the Si(111)7 × 7 reconstructed surface 197 (1988) L269
Ludwig, P., see Delaunay 197 (1988) L273
Luntz, A.C., see Bethune 197 (1988) 44

MacDonald, R.J., see O'Connor 197 (1988) 277
Mackrodt, W.C., see Cotter 197 (1988) 208
Madix, R.J., J.L. Solomon and J. Stöhr, The orientation of the carbonate anion on Ag(110) 197 (1988) L253
Mandel, T., M. Domke and G. Kaindl, Layer-resolved band dispersion of rare-gas multilayers on graphite(001) 197 (1988) 81
Mate, C.M., C.-T. Kao, B.E. Bent and G.A. Somorjai, The surface structure and thermal decomposition of acetylene on the Rh(111) single crystal surface and the effect of coadsorbed carbon monoxide 197 (1988) 183
Matsushima, T., Angular distribution of the combinative desorption of nitrogen atoms on Ru(001) surfaces 197 (1988) L287
Menon, M. and R.E. Allen, Dynamics of chemisorption and indiffusion at semiconductor surfaces 197 (1988) L237
Michel, C., see Easwarakhanthan 197 (1988) 339
Mitchell, G.E., M.A. Schulz and J.M. White, The reaction of H_2S with adsorbed oxygen atoms on platinum (111) 197 (1988) 379
Morgen, P., M. Szymonski, J. Onsgaard, B. Jørgensen and G. Rossi, Formation of the Pt–Si(111) interface 197 (1988) 347
Mullins, D.R. and S.H. Overbury, The structure of the carburized W(001) surface, Surface Science 193 (1988) 455–474. *Erratum* 197 (1988) 594
Mullins, W.W., see Barnard 197 (1988) 363

Nakanishi, H., H. Kasai and A. Okiji, Charge exchange scattering of particles from metal surfaces 197 (1988) 515
Nicol, J.M., J.J. Rush and R.D. Kelley, Inelastic neutron scattering studies of the interaction of hydrogen with palladium black 197 (1988) 67
Nihei, Y., see Tamura 197 (1988) L281
Nørskov, J.K., see Stoltze 197 (1988) L230

O'Connor, D.J., Y.G. Shen, J.M. Wilson and R.J. MacDonald, The role of the electronic structure in charge exchange between low energy ions and surfaces 197 (1988) 277
Okiji, A., see Nakanishi 197 (1988) 515

Okuda, T., see Huzimura 197 (1988) 444
Onsgaard, J., see Morgen 197 (1988) 347
Overbury, S.H., see Mullins 197 (1988) 594

Parker, I., see Bowker 197 (1988) L223
Patel, J.R., see Zinke-Allmang 197 (1988) 1
Paton, A., see Duke 197 (1988) 11
Plummer, E.W., see Heskett 197 (1988) 225
Preisinger, A., see Diebold 197 (1988) 430

Ravelet, S., see Easwarakhanthan 197 (1988) 339
Ren, D.G., see Wang 197 (1988) 327
Rodriguez, J.A. and C.T. Campbell, A quantum-chemical study of the adsorption of water, formaldehyde and ammonia on copper surfaces and water on ZnO(0001) 197 (1988) 567
Roe, D.K., see Bethune 197 (1988) 44
Rossi, G., see Morgen 197 (1988) 347
Rostaing, P., see Bindi 197 (1988) 295
Rush, J.J., see Nicol 197 (1988) 67

Sass, J.K., see Bethune 197 (1988) 44
Schattschneider, P., see Diebold 197 (1988) 430
Schulz, M.A., see Mitchell 197 (1988) 379
Schulz-Ekloff, G., see Lamber 197 (1988) 402
Shen, Y.G., see O'Connor 197 (1988) 277
Shimizu, R., see Ding 197 (1988) 539
Solomon, J.L., see Madix 197 (1988) L253
Somorjai, G.A., see Mate 197 (1988) 183
Song, K.J., see Heskett 197 (1988) 225
Soole, J.B.D. and H.P. Hughes, Roughness-coupled light emission from tunnel junctions: the role of the fast surface plasmon 197 (1988) 250
Sortais, P., see Delaunay 197 (1988) L273
Sroubek, Z. and G. Falcone, Study of dynamical atom–surface interaction in nonideal solids 197 (1988) 528
Stiles, K., see Duke 197 (1988) 11
Stöhr, J., see Madix 197 (1988) L253
Stoltze, P. and J.K. Nørskov, Comment on 'The application of surface kinetic data to the industrial synthesis of ammonia' by M. Bowker, I. Parker, and K.C. Waugh 197 (1988) L230
Sulston, K.W., A.T. Amos and S.G. Davison, Comparative study of approximate theoretical treatments of surface-ion neutralization 197 (1988) 555
Szymonski, M., see Morgen 197 (1988) 347

Tamura, K., U. Bardi and Y. Nihei, An investigation by angular resolved X-ray photoelectron spectroscopy of strong metal–support interaction (SMSI) in the Pt/TiO_2 system 197 (1988) L281
Thurgate, S., see Hitchen 197 (1988) 24
Toennies, J.P., see Eichenauer 197 (1988) 267
Tole, P., see Fowler 197 (1988) 457
Toreis, N., X.E. Verykios, S.M. Khalid and G.B. Bunker, Bulk and surface characterization of supported Ag–Au alloy catalysts 197 (1988) 415

Surface Science 197 (1988) 596–600
North-Holland, Amsterdam

AUTHOR INDEX

Allen, R.E., see Menon 197 (1988) L237
Amos, A.T., see Sulston 197 (1988) 555
Au, C.T., W. Hirsch and W. Hirschwald, Adsorption of carbon monoxide and carbon dioxide on annealed and defect zinc oxide (000$\bar{1}$) surfaces studied by photoelectron spectroscopy (XPS and UPS) 197 (1988) 391

Bardi, U., see Tamura 197 (1988) L281
Barnard, J.A., P. Wynblatt, W.C. Johnson and W.W. Mullins, Surface segregation in solid and liquid Sn–Pb alloys 197 (1988) 363
Barteau, M.A., see Vohs 197 (1988) 109
Barteau, M.A., see Davis 197 (1988) 123
Bensaoula, A., see Grossman 197 (1988) 99
Bent, B.E., see Mate 197 (1988) 183
Bethune, D.S., A.C. Luntz, J.K. Sass and D.K. Roe, Optical analysis of thin-layer electrochemical cells for infrared spectroscopy of adsorbates 197 (1988) 44
Bindi, R., H. Lanteri and P. Rostaing, Transport model of scattering processes of keV electrons in aluminium 197 (1988) 295
Bowker, M., I. Parker and K.C. Waugh, The application of surface kinetic data to the industrial synthesis of ammonia 197 (1988) L223
Bunker, G.B., see Toreis 197 (1988) 415

Campbell, C.T., see Rodriguez 197 (1988) 567
Campbell, S., see Cotter 197 (1988) 208
Carim, A.H., see Hochella, Jr. 197 (1988) L260
Cotter, M., S. Campbell, R.G. Egdell and W.C. Mackrodt, Growth of ordered BaO overlayers on MgO(001) 197 (1988) 208

Dai, H.L., see Heskett 197 (1988) 225
Davis, J.L. and M.A. Barteau, The influence of oxygen on the selectivity of alcohol conversion on the Pd(111) surface 197 (1988) 123
Davison, S.G., see Sulston 197 (1988) 555
Debernardi, J., see Delaunay 197 (1988) L273
Delaunay, M., R. Geller, J. Debernardi, P. Ludwig and P. Sortais, Electron emission from a metal surface bombarded by highly charged ions 197 (1988) L273
Diebold, U., A. Preisinger, P. Schattschneider and P. Varga, Angle resolved electron energy loss spectroscopy on graphite 197 (1988) 430
Ding, Z.-J. and R. Shimizu, Monte Carlo study of backscattering and secondary electron generation 197 (1988) 539
Domke, M., see Mandel 197 (1988) 81
Dose, V., see Drube 197 (1988) 317
Drube, R., V. Dose and A. Goldmann, Empty electronic states at the (1×1) and (5×20) surfaces of Pt(100): an inverse photoemission study 197 (1988) 317
Duke, C.B., A. Paton, Y.R. Wang, K. Stiles and A. Kahn, Dynamical analysis of low-energy electron diffraction intensities from CdSe(10$\bar{1}$0) 197 (1988) 11

Easwarakhanthan, T., C. Michel and S. Ravelet, Numerical method for the ellipsometric determination of optical constants and thickness of thin films with microcomputers 197 (1988) 339
Egdell, R.G., see Cotter 197 (1988) 208
Eichenauer, D. and J.P. Toennies, Pairwise additive potential models for the interaction of He atoms with the (001) surfaces of LiF, NaF, NaCl and LiCl 197 (1988) 267
Ertl, G., see Ladas 197 (1988) 153

Falcone, G., see Sroubek 197 (1988) 528
Feldman, L.C., see Zinke-Allmang 197 (1988) 1
Flores, F., see Louis 197 (1988) L269
Fowler, P.W. and P. Tole, Effects of coordination number on surface ions: an ab initio study of LiF and MgO 197 (1988) 457

Geller, R., see Delaunay 197 (1988) L273
George, S.M., see Tro 197 (1988) L246
Goldmann, A., see Drube 197 (1988) 317
Grossman, E., A. Bensaoula and A. Ignatiev, An XPS study of XeF_2 dry etching of tungsten silicide 197 (1988) 99

Halicioglu, T., Fluxional nature of gas-phase clusters 197 (1988) L233
Hegde, M.S., Reply to "Comment on 'XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy' " by W. Unger 197 (1988) L294
Heskett, D., L.E. Urbach, K.J. Song, E.W. Plummer and H.L. Dai, Oxygen and pyridine on Ag(110) studied by second harmonic generation: coexistence of two phases within monolayer pyridine coverage 197 (1988) 225
Hirsch, W., see Au 197 (1988) 391
Hirschwald, W., see Au 197 (1988) 391
Hitchen, G. and S. Thurgate, Azimuthal angular dependence of LEED fine structure from Cu(001) 197 (1988) 24
Hochella, Jr., M.F. and A.H. Carim, A reassessment of electron escape depths in silicon and thermally grown silicon dioxide thin films 197 (1988) L260
Hoffmann, R., see Jansen 197 (1988) 474
Hughes, H.P., see Soole 197 (1988) 250
Huzimura, R., H. Kurisu and T. Okuda, Interaction of CO with surface defects of MgO: a high vacuum ESR study 197 (1988) 444

Ignatiev, A., see Grossman 197 (1988) 99
Imbihl, R., see Ladas 197 (1988) 153

Jaeger, N., see Lamber 197 (1988) 402
Jansen, S.A. and R. Hoffmann, Surface chemistry of transition metal carbides: a theoretical analysis 197 (1988) 474
Johnson, W.C., see Barnard 197 (1988) 363
Jørgensen, B., see Morgen 197 (1988) 347

Kahn, A., see Duke 197 (1988) 11
Kaindl, G., see Mandel 197 (1988) 81
Kao, C.-T., see Mate 197 (1988) 183
Kasai, H., see Nakanishi 197 (1988) 515

Kassim, H.A., see Yousif 197 (1988) 509
Kelley, R.D., see Nicol 197 (1988) 67
Khalid, S.M., see Toreis 197 (1988) 415
Kinkus, T.J., see Wang 197 (1988) 327
Kurisu, H., see Huzimura 197 (1988) 444

Ladas, S., R. Imbihl and G. Ertl, Microfacetting of a Pt(110) surface during catalytic CO oxidation 197 (1988) 153
Lamber, R., N. Jaeger and G. Schulz-Ekloff, Electron microscopy study of the interaction of Ni, Pd and Pt with carbon. I. Nickel catalyzed graphitization of amorphous carbon 197 (1988) 402
Lanteri, H., see Bindi 197 (1988) 295
Lee, K.C., see Wang 197 (1988) 239
Louis, E. and F. Flores, Many-body effects in the Si(111)7 × 7 reconstructed surface 197 (1988) L269
Ludwig, P., see Delaunay 197 (1988) L273
Luntz, A.C., see Bethune 197 (1988) 44

MacDonald, R.J., see O'Connor 197 (1988) 277
Mackrodt, W.C., see Cotter 197 (1988) 208
Madix, R.J., J.L. Solomon and J. Stöhr, The orientation of the carbonate anion on Ag(110) 197 (1988) L253
Mandel, T., M. Domke and G. Kaindl, Layer-resolved band dispersion of rare-gas multilayers on graphite(001) 197 (1988) 81
Mate, C.M., C.-T. Kao, B.E. Bent and G.A. Somorjai, The surface structure and thermal decomposition of acetylene on the Rh(111) single crystal surface and the effect of coadsorbed carbon monoxide 197 (1988) 183
Matsushima, T., Angular distribution of the combinative desorption of nitrogen atoms on Ru(001) surfaces 197 (1988) L287
Menon, M. and R.E. Allen, Dynamics of chemisorption and indiffusion at semiconductor surfaces 197 (1988) L237
Michel, C., see Easwarakhanthan 197 (1988) 339
Mitchell, G.E., M.A. Schulz and J.M. White, The reaction of H_2S with adsorbed oxygen atoms on platinum (111) 197 (1988) 379
Morgen, P., M. Szymonski, J. Onsgaard, B. Jørgensen and G. Rossi, Formation of the Pt–Si(111) interface 197 (1988) 347
Mullins, D.R. and S.H. Overbury, The structure of the carburized W(001) surface, Surface Science 193 (1988) 455–474. *Erratum* 197 (1988) 594
Mullins, W.W., see Barnard 197 (1988) 363

Nakanishi, H., H. Kasai and A. Okiji, Charge exchange scattering of particles from metal surfaces 197 (1988) 515
Nicol, J.M., J.J. Rush and R.D. Kelley, Inelastic neutron scattering studies of the interaction of hydrogen with palladium black 197 (1988) 67
Nihei, Y., see Tamura 197 (1988) L281
Nørskov, J.K., see Stoltze 197 (1988) L230

O'Connor, D.J., Y.G. Shen, J.M. Wilson and R.J. MacDonald, The role of the electronic structure in charge exchange between low energy ions and surfaces 197 (1988) 277
Okiji, A., see Nakanishi 197 (1988) 515

Okuda, T., see Huzimura 197 (1988) 444
Onsgaard, J., see Morgen 197 (1988) 347
Overbury, S.H., see Mullins 197 (1988) 594

Parker, I., see Bowker 197 (1988) L223
Patel, J.R., see Zinke-Allmang 197 (1988) 1
Paton, A., see Duke 197 (1988) 11
Plummer, E.W., see Heskett 197 (1988) 225
Preisinger, A., see Diebold 197 (1988) 430

Ravelet, S., see Easwarakhanthan 197 (1988) 339
Ren, D.G., see Wang 197 (1988) 327
Rodriguez, J.A. and C.T. Campbell, A quantum-chemical study of the adsorption of water, formaldehyde and ammonia on copper surfaces and water on ZnO(0001) 197 (1988) 567
Roe, D.K., see Bethune 197 (1988) 44
Rossi, G., see Morgen 197 (1988) 347
Rostaing, P., see Bindi 197 (1988) 295
Rush, J.J., see Nicol 197 (1988) 67

Sass, J.K., see Bethune 197 (1988) 44
Schattschneider, P., see Diebold 197 (1988) 430
Schulz, M.A., see Mitchell 197 (1988) 379
Schulz-Ekloff, G., see Lamber 197 (1988) 402
Shen, Y.G., see O'Connor 197 (1988) 277
Shimizu, R., see Ding 197 (1988) 539
Solomon, J.L., see Madix 197 (1988) L253
Somorjai, G.A., see Mate 197 (1988) 183
Song, K.J., see Heskett 197 (1988) 225
Soole, J.B.D. and H.P. Hughes, Roughness-coupled light emission from tunnel junctions: the role of the fast surface plasmon 197 (1988) 250
Sortais, P., see Delaunay 197 (1988) L273
Sroubek, Z. and G. Falcone, Study of dynamical atom–surface interaction in nonideal solids 197 (1988) 528
Stiles, K., see Duke 197 (1988) 11
Stöhr, J., see Madix 197 (1988) L253
Stoltze, P. and J.K. Nørskov, Comment on 'The application of surface kinetic data to the industrial synthesis of ammonia' by M. Bowker, I. Parker, and K.C. Waugh 197 (1988) L230
Sulston, K.W., A.T. Amos and S.G. Davison, Comparative study of approximate theoretical treatments of surface-ion neutralization 197 (1988) 555
Szymonski, M., see Morgen 197 (1988) 347

Tamura, K., U. Bardi and Y. Nihei, An investigation by angular resolved X-ray photoelectron spectroscopy of strong metal–support interaction (SMSI) in the Pt/TiO_2 system 197 (1988) L281
Thurgate, S., see Hitchen 197 (1988) 24
Toennies, J.P., see Eichenauer 197 (1988) 267
Tole, P., see Fowler 197 (1988) 457
Toreis, N., X.E. Verykios, S.M. Khalid and G.B. Bunker, Bulk and surface characterization of supported Ag–Au alloy catalysts 197 (1988) 415

Tro, N.J. and S.M. George, Temperature-programmed spectroscopy for surface kinetic analysis: absorption and laser-induced fluorescence techniques 197 (1988) L246
Tully, J.C., see Zinke-Allmang 197 (1988) 1

Unger, W., Comment on 'XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy' by M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya 197 (1988) L292
Urbach, L.E., see Heskett 197 (1988) 225

Varga, P., see Diebold 197 (1988) 430
Verykios, X.E., see Toreis 197 (1988) 415
Vohs, J.M. and M.A. Barteau, Spectroscopic characterization of surface formates produced via reaction of HCOOH and $HCOOCH_3$ on the (0001) surface of zinc oxide 197 (1988) 109

Wang, Q., T.J. Kinkus and D.G. Ren, A study of the process of field evaporation as Markov chains 197 (1988) 327
Wang, Y.R., see Duke 197 (1988) 11
Wang, Y.T. and K.C. Lee, The correlation between surface plasma resonance and surface enhanced Raman scattering 197 (1988) 239
Waugh, K.C., see Bowker 197 (1988) L223
White, J.M., see Mitchell 197 (1988) 379
Wilson, J.M., see O'Connor 197 (1988) 277
Wynblatt, P., see Barnard 197 (1988) 363

Yousif, S.Y. and H.A. Kassim, Anionic dipole polarizabilities at the surfaces of alkaline earth oxides and sulfides 197 (1988) 509

Zhdanov, V.P., On the phonon mechanism of vibrational relaxation of adsorbed particles 197 (1988) 35
Zinke-Allmang, M., L.C. Feldman, J.R. Patel and J.C. Tully, The morphology of As terminated Si(111) from desorption kinetics 197 (1988) 1

Surface Science 197 (1988) 601–612
North-Holland, Amsterdam

SUBJECT INDEX

Acetylene

C.M. Mate, C.-T. Kao, B.E. Bent and G.A. Somorjai, The surface structure and thermal decomposition of acetylene on the Rh(111) single crystal surface and the effect of coadsorbed carbon monoxide 197 (1988) 183

Alkali halides

D. Eichenauer and J.P. Toennies, Pairwise additive potential models for the interaction of He atoms with the (001) surfaces of LiF, NaF, NaCl and LiCl 197 (1988) 267

P.W. Fowler and P. Tole, Effects of coordination number on surface ions: an ab initio study of LiF and MgO 197 (1988) 457

Alloys

Q. Wang, T.J. Kinkus and D.G. Ren, A study of the process of field evaporation as Markov chains 197 (1988) 327

W. Unger, Comment on 'XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy' by M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya 197 (1988) L292

M.S. Hegde, Reply to "Comment on 'XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy' " by W. Unger 197 (1988) L294

J.A. Barnard, P. Wynblatt, W.C. Johnson and W.W. Mullins, Surface segregation in solid and liquid Sn–Pb alloys 197 (1988) 363

N. Toreis, X.E. Verykios, S.M. Khalid and G.B. Bunker, Bulk and surface characterization of supported Ag–Au alloy catalysts 197 (1988) 415

Aluminium

R. Bindi, H. Lanteri and P. Rostaing, Transport model of scattering processes of keV electrons in aluminium 197 (1988) 295

Aluminium oxide

N.J. Tro and S.M. George, Temperature-programmed spectroscopy for surface kinetic analysis: absorption and laser-induced fluorescence techniques 197 (1988) L246

Ammonia

M. Bowker, I. Parker and K.C. Waugh, The application of surface kinetic data to the industrial synthesis of ammonia 197 (1988) L223
P. Stoltze and J.K. Nørskov, Comment on 'The application of surface kinetic data to the industrial synthesis of ammonia' by M. Bowker, I. Parker, and K.C. Waugh 197 (1988) L230
J.A. Rodriguez and C.T. Campbell, A quantum-chemical study of the adsorption of water, formaldehyde and ammonia on copper surfaces and water on ZnO(0001) 197 (1988) 567

Arsenic

M. Zinke-Allmang, L.C. Feldman, J.R. Patel and J.C. Tully, The morphology of As terminated Si(111) from desorption kinetics 197 (1988) 1

Atom scattering

D. Eichenauer and J.P. Toennies, Pairwise additive potential models for the interaction of He atoms with the (001) surfaces of LiF, NaF, NaCl and LiCl 197 (1988) 267
H. Nakanishi, H. Kasai and A. Okiji, Charge exchange scattering of particles from metal surfaces 197 (1988) 515
Z. Sroubek and G. Falcone, Study of dynamical atom–surface interaction in nonideal solids 197 (1988) 528

Auger electron spectroscopy

P. Morgen, M. Szymonski, J. Onsgaard, B. Jørgensen and G. Rossi, Formation of the Pt–Si(111) interface 197 (1988) 347
J.A. Barnard, P. Wynblatt, W.C. Johnson and W.W. Mullins, Surface segregation in solid and liquid Sn–Pb alloys 197 (1988) 363

Band structure

T. Mandel, M. Domke and G. Kaindl, Layer-resolved band dispersion of rare-gas multilayers on graphite(001) 197 (1988) 81

Barium

M. Cotter, S. Campbell, R.G. Egdell and W.C. Mackrodt, Growth of ordered BaO overlayers on MgO(001) 197 (1988) 208

Cadmium selenide

C.B. Duke, A. Paton, Y.R. Wang, K. Stiles and A. Kahn, Dynamical analysis of low-energy electron diffraction intensities from CdSe($10\bar{1}0$) 197 (1988) 11

Carbon, see also Graphite

R. Lamber, N. Jaeger and G. Schulz-Ekloff, Electron microscopy study of the interaction of Ni, Pd and Pt with carbon. I. Nickel catalyzed graphitization of amorphous carbon 197 (1988) 402

Carbon dioxide

C.T. Au, W. Hirsch and W. Hirschwald, Adsorption of carbon monoxide and carbon dioxide on annealed and defect zinc oxide (000$\bar{1}$) surfaces studied by photoelectron spectroscopy (XPS and UPS) 197 (1988) 391

Carbon monoxide

D.S. Bethune, A.C. Luntz, J.K. Sass and D.K. Roe, Optical analysis of thin-layer electrochemical cells for infrared spectroscopy of adsorbates 197 (1988) 44

S. Ladas, R. Imbihl and G. Ertl, Microfacetting of a Pt(110) surface during catalytic CO oxidation 197 (1988) 153

C.T. Au, W. Hirsch and W. Hirschwald, Adsorption of carbon monoxide and carbon dioxide on annealed and defect zinc oxide (000$\bar{1}$) surfaces studied by photoelectron spectroscopy (XPS and UPS) 197 (1988) 391

R. Huzimura, H. Kurisu and T. Okuda, Interaction of CO with surface defects of MgO: a high vacuum ESR study 197 (1988) 444

S.A. Jansen and R. Hoffmann, Surface chemistry of transition metal carbides: a theoretical analysis 197 (1988) 474

Carboxylic acid

J.M. Vohs and M.A. Barteau, Spectroscopic characterization of surface formates produced via reaction of HCOOH and $HCOOCH_3$ on the (0001) surface of zinc oxide 197 (1988) 109

Catalysis

M. Bowker, I. Parker and K.C. Waugh, The application of surface kinetic data to the industrial synthesis of ammonia 197 (1988) L223

P. Stoltze and J.K. Nørskov, Comment on 'The application of surface kinetic data to the industrial synthesis of ammonia' by M. Bowker, I. Parker, and K.C. Waugh 197 (1988) L230

K. Tamura, U. Bardi and Y. Nihei, An investigation by angular resolved X-ray photoelectron spectroscopy of strong metal–support interaction (SMSI) in the Pt/TiO_2 system 197 (1988) L281

N. Toreis, X.E. Verykios, S.M. Khalid and G.B. Bunker, Bulk and surface characterization of supported Ag–Au alloy catalysts 197 (1988) 415

Chemisorption theory

S.A. Jansen and R. Hoffmann, Surface chemistry of transition metal carbides: a theoretical analysis 197 (1988) 474

J.A. Rodriguez and C.T. Campbell, A quantum-chemical study of the adsorption of water, formaldehyde and ammonia on copper surfaces and water on ZnO(0001) 197 (1988) 567

Clusters

T. Halicioglu, Fluxional nature of gas-phase clusters 197 (1988) L233

Copper

G. Hitchen and S. Thurgate, Azimuthal angular dependence of LEED fine structure from Cu(001) 197 (1988) 24

J.A. Rodriguez and C.T. Campbell, A quantum-chemical study of the adsorption of water, formaldehyde and ammonia on copper surfaces and water on ZnO(0001) 197 (1988) 567

Dielectric constant

S.Y. Yousif and H.A. Kassim, Anionic dipole polarizabilities at the surfaces of alkaline earth oxides and sulfides 197 (1988) 509

Diffusion

M. Menon and R.E. Allen, Dynamics of chemisorption and indiffusion at semiconductor surfaces 197 (1988) L237

Electron emission

M. Delaunay, R. Geller, J. Debernardi, P. Ludwig and P. Sortais, Electron emission from a metal surface bombarded by highly charged ions 197 (1988) L273

Electron loss spectroscopy

V.P. Zhdanov, On the phonon mechanism of vibrational relaxation of adsorbed particles 197 (1988) 35

C.M. Mate, C.-T. Kao, B.E. Bent and G.A. Somorjai, The surface structure and thermal decomposition of acetylene on the Rh(111) single crystal surface and the effect of coadsorbed carbon monoxide 197 (1988) 183

G.E. Mitchell, M.A. Schulz and J.M. White, The reaction of H_2S with adsorbed oxygen atoms on platinum (111) 197 (1988) 379

U. Diebold, A. Preisinger, P. Schattschneider and P. Varga, Angle resolved electron energy loss spectroscopy on graphite 197 (1988) 430

Electron microscopy

R. Lamber, N. Jaeger and G. Schulz-Ekloff, Electron microscopy study of the interaction of Ni, Pd and Pt with carbon. I. Nickel catalyzed graphitization of amorphous carbon 197 (1988) 402

N. Toreis, X.E. Verykios, S.M. Khalid and G.B. Bunker, Bulk and surface characterization of supported Ag–Au alloy catalysts 197 (1988) 415

Electron scattering

R. Bindi, H. Lanteri and P. Rostaing, Transport model of scattering processes of keV electrons in aluminium 197 (1988) 295

M.F. Hochella, Jr. and A.H. Carim, A reassessment of electron escape depths in silicon and thermally grown silicon dioxide thin films 197 (1988) L260
Z.-J. Ding and R. Shimizu, Monte Carlo study of backscattering and secondary electron generation 197 (1988) 539

Electron spin resonance

R. Huzimura, H. Kurisu and T. Okuda, Interaction of CO with surface defects of MgO: a high vacuum ESR study 197 (1988) 444

Ellipsometry

T. Easwarakhanthan, C. Michel and S. Ravelet, Numerical method for the ellipsometric determination of optical constants and thickness of thin films with microcomputers 197 (1988) 339

Ethanol

J.L. Davis and M.A. Barteau, The influence of oxygen on the selectivity of alcohol conversion on the Pd(111) surface 197 (1988) 123

Faceting

S. Ladas, R. Imbihl and G. Ertl, Microfacetting of a Pt(110) surface during catalytic CO oxidation 197 (1988) 153

Field evaporation

Q. Wang, T.J. Kinkus and D.G. Ren, A study of the process of field evaporation as Markov chains 197 (1988) 327

Gallium arsenide

M. Menon and R.E. Allen, Dynamics of chemisorption and indiffusion at semiconductor surfaces 197 (1988) L237

Gold

J.B.D. Soole and H.P. Hughes, Roughness-coupled light emission from tunnel junctions: the role of the fast surface plasmon 197 (1988) 250
M. Delaunay, R. Geller, J. Debernardi, P. Ludwig and P. Sortais, Electron emission from a metal surface bombarded by highly charged ions 197 (1988) L273

Graphite

T. Mandel, M. Domke and G. Kaindl, Layer-resolved band dispersion of rare-gas multilayers on graphite(001) 197 (1988) 81
R. Lamber, N. Jaeger and G. Schulz-Ekloff, Electron microscopy study of the interaction of Ni, Pd and Pt with carbon. I. Nickel catalyzed graphitization of amorphous carbon 197 (1988) 402
U. Diebold, A. Preisinger, P. Schattschneider and P. Varga, Angle resolved electron energy loss spectroscopy on graphite 197 (1988) 430

Halogens

E. Grossman, A. Bensaoula and A. Ignatiev, An XPS study of XeF_2 dry etching of tungsten silicide 197 (1988) 99

Hydrogen

J.M. Nicol, J.J. Rush and R.D. Kelley, Inelastic neutron scattering studies of the interaction of hydrogen with palladium black 197 (1988) 67

R. Lamber, N. Jaeger and G. Schulz-Ekloff, Electron microscopy study of the interaction of Ni, Pd and Pt with carbon. I. Nickel catalyzed graphitization of amorphous carbon 197 (1988) 402

Hydrogen sulphide

G.E. Mitchell, M.A. Schulz and J.M. White, The reaction of H_2S with adsorbed oxygen atoms on platinum (111) 197 (1988) 379

Infrared spectroscopy

V.P. Zhdanov, On the phonon mechanism of vibrational relaxation of adsorbed particles 197 (1988) 35

D.S. Bethune, A.C. Luntz, J.K. Sass and D.K. Roe, Optical analysis of thin-layer electrochemical cells for infrared spectroscopy of adsorbates 197 (1988) 44

Ion scattering

D.J. O'Connor, Y.G. Shen, J.M. Wilson and R.J. MacDonald, The role of the electronic structure in charge exchange between low energy ions and surfaces 197 (1988) 277

K.W. Sulston, A.T. Amos and S.G. Davison, Comparative study of approximate theoretical treatments of surface-ion neutralization 197 (1988) 555

Iron

M. Bowker, I. Parker and K.C. Waugh, The application of surface kinetic data to the industrial synthesis of ammonia 197 (1988) L223

P. Stoltze and J.K. Nørskov, Comment on 'The application of surface kinetic data to the industrial synthesis of ammonia' by M. Bowker, I. Parker, and K.C. Waugh 197 (1988) L230

Low energy electron diffraction

C.B. Duke, A. Paton, Y.R. Wang, K. Stiles and A. Kahn, Dynamical analysis of low-energy electron diffraction intensities from CdSe($10\bar{1}0$) 197 (1988) 11

G. Hitchen and S. Thurgate, Azimuthal angular dependence of LEED fine structure from Cu(001) 197 (1988) 24

S. Ladas, R. Imbihl and G. Ertl, Microfacetting of a Pt(110) surface during catalytic CO oxidation 197 (1988) 153

M. Cotter, S. Campbell, R.G. Egdell and W.C. Mackrodt, Growth of ordered BaO overlayers on MgO(001) 197 (1988) 208

P. Morgen, M. Szymonski, J. Onsgaard, B. Jørgensen and G. Rossi, Formation of the Pt–Si(111) interface 197 (1988) 347

Magnesium oxide

M. Cotter, S. Campbell, R.G. Egdell and W.C. Mackrodt, Growth of ordered BaO overlayers on MgO(001) 197 (1988) 208

R. Huzimura, H. Kurisu and T. Okuda, Interaction of CO with surface defects of MgO: a high vacuum ESR study 197 (1988) 444

P.W. Fowler and P. Tole, Effects of coordination number on surface ions: an ab initio study of LiF and MgO 197 (1988) 457

Metals

D.J. O'Connor, Y.G. Shen, J.M. Wilson and R.J. MacDonald, The role of the electronic structure in charge exchange between low energy ions and surfaces 197 (1988) 277

Methanol

S.A. Jansen and R. Hoffmann, Surface chemistry of transition metal carbides: a theoretical analysis 197 (1988) 474

Neutron scattering

J.M. Nicol, J.J. Rush and R.D. Kelley, Inelastic neutron scattering studies of the interaction of hydrogen with palladium black 197 (1988) 67

Nickel

R. Lamber, N. Jaeger and G. Schulz-Ekloff, Electron microscopy study of the interaction of Ni, Pd and Pt with carbon. I. Nickel catalyzed graphitization of amorphous carbon 197 (1988) 402

Nitrogen

T. Matsushima, Angular distribution of the combinative desorption of nitrogen atoms on Ru(001) surfaces 197 (1988) L287

Noble gases

T. Mandel, M. Domke and G. Kaindl, Layer-resolved band dispersion of rare-gas multilayers on graphite(001) 197 (1988) 81

Organic substances

J.L. Davis and M.A. Barteau, The influence of oxygen on the selectivity of alcohol conversion on the Pd(111) surface 197 (1988) 123

D. Heskett, L.E. Urbach, K.J. Song, E.W. Plummer and H.L. Dai, Oxygen and pyridine on Ag(110) studied by second harmonic generation: coexistence of two phases within monolayer pyridine coverage 197 (1988) 225

Y.T. Wang and K.C. Lee, The correlation between surface plasma resonance and surface enhanced Raman scattering 197 (1988) 239
N.J. Tro and S.M. George, Temperature-programmed spectroscopy for surface kinetic analysis: absorption and laser-induced fluorescence techniques 197 (1988) L246
J.A. Rodriguez and C.T. Campbell, A quantum-chemical study of the adsorption of water, formaldehyde and ammonia on copper surfaces and water on ZnO(0001) 197 (1988) 567

Oxides

S.Y. Yousif and H.A. Kassim, Anionic dipole polarizabilities at the surfaces of alkaline earth oxides and sulfides 197 (1988) 509

Oxygen

J.L. Davis and M.A. Barteau, The influence of oxygen on the selectivity of alcohol conversion on the Pd(111) surface 197 (1988) 123
S. Ladas, R. Imbihl and G. Ertl, Microfacetting of a Pt(110) surface during catalytic CO oxidation 197 (1988) 153
M. Cotter, S. Campbell, R.G. Egdell and W.C. Mackrodt, Growth of ordered BaO overlayers on MgO(001) 197 (1988) 208
D. Heskett, L.E. Urbach, K.J. Song, E.W. Plummer and H.L. Dai, Oxygen and pyridine on Ag(110) studied by second harmonic generation: coexistence of two phases within monolayer pyridine coverage 197 (1988) 225
G.E. Mitchell, M.A. Schulz and J.M. White, The reaction of H_2S with adsorbed oxygen atoms on platinum (111) 197 (1988) 379
S.A. Jansen and R. Hoffmann, Surface chemistry of transition metal carbides: a theoretical analysis 197 (1988) 474

Palladium

J.L. Davis and M.A. Barteau, The influence of oxygen on the selectivity of alcohol conversion on the Pd(111) surface 197 (1988) 123
R. Lamber, N. Jaeger and G. Schulz-Ekloff, Electron microscopy study of the interaction of Ni, Pd and Pt with carbon. I. Nickel catalyzed graphitization of amorphous carbon 197 (1988) 402

Photoelectron spectroscopy

T. Mandel, M. Domke and G. Kaindl, Layer-resolved band dispersion of rare-gas multilayers on graphite(001) 197 (1988) 81
E. Grossman, A. Bensaoula and A. Ignatiev, An XPS study of XeF_2 dry etching of tungsten silicide 197 (1988) 99
J.M. Vohs and M.A. Barteau, Spectroscopic characterization of surface formates produced via reaction of HCOOH and $HCOOCH_3$ on the (0001) surface of zinc oxide 197 (1988) 109
M. Cotter, S. Campbell, R.G. Egdell and W.C. Mackrodt, Growth of ordered BaO overlayers on MgO(001) 197 (1988) 208
K. Tamura, U. Bardi and Y. Nihei, An investigation by angular resolved X-ray photoelectron spectroscopy of strong metal–support interaction (SMSI) in the Pt/TiO_2 system 197 (1988) L281

P. Morgen, M. Szymonski, J. Onsgaard, B. Jørgensen and G. Rossi, Formation of the Pt–Si(111) interface 197 (1988) 347

C.T. Au, W. Hirsch and W. Hirschwald, Adsorption of carbon monoxide and carbon dioxide on annealed and defect zinc oxide ($000\bar{1}$) surfaces studied by photoelectron spectroscopy (XPS and UPS) 197 (1988) 391

Photon emission

D. Heskett, L.E. Urbach, K.J. Song, E.W. Plummer and H.L. Dai, Oxygen and pyridine on Ag(110) studied by second harmonic generation: coexistence of two phases within monolayer pyridine coverage 197 (1988) 225

R. Drube, V. Dose and A. Goldmann, Empty electronic states at the (1×1) and (5×20) surfaces of Pt(100): an inverse photoemission study 197 (1988) 317

N.J. Tro and S.M. George, Temperature-programmed spectroscopy for surface kinetic analysis: absorption and laser-induced fluorescence techniques 197 (1988) L246

Platinum

D.S. Bethune, A.C. Luntz, J.K. Sass and D.K. Roe, Optical analysis of thin-layer electrochemical cells for infrared spectroscopy of adsorbates 197 (1988) 44

J.M. Nicol, J.J. Rush and R.D. Kelley, Inelastic neutron scattering studies of the interaction of hydrogen with palladium black 197 (1988) 67

S. Ladas, R. Imbihl and G. Ertl, Microfacetting of a Pt(110) surface during catalytic CO oxidation 197 (1988) 153

R. Drube, V. Dose and A. Goldmann, Empty electronic states at the (1×1) and (5×20) surfaces of Pt(100): an inverse photoemission study 197 (1988) 317

K. Tamura, U. Bardi and Y. Nihei, An investigation by angular resolved X-ray photoelectron spectroscopy of strong metal–support interaction (SMSI) in the Pt/TiO_2 system 197 (1988) L281

P. Morgen, M. Szymonski, J. Onsgaard, B. Jørgensen and G. Rossi, Formation of the Pt–Si(111) interface 197 (1988) 347

G.E. Mitchell, M.A. Schulz and J.M. White, The reaction of H_2S with adsorbed oxygen atoms on platinum (111) 197 (1988) 379

R. Lamber, N. Jaeger and G. Schulz-Ekloff, Electron microscopy study of the interaction of Ni, Pd and Pt with carbon. I. Nickel catalyzed graphitization of amorphous carbon 197 (1988) 402

Raman scattering

Y.T. Wang and K.C. Lee, The correlation between surface plasma resonance and surface enhanced Raman scattering 197 (1988) 239

Reflection spectroscopy

Y.T. Wang and K.C. Lee, The correlation between surface plasma resonance and surface enhanced Raman scattering 197 (1988) 239

Rhodium

C.M. Mate, C.-T. Kao, B.E. Bent and G.A. Somorjai, The surface structure and thermal decomposition of acetylene on the Rh(111) single crystal surface and the effect of coadsorbed carbon monoxide 197 (1988) 183

Ruthenium

T. Matsushima, Angular distribution of the combinative desorption of nitrogen atoms on Ru(001) surfaces 197 (1988) L287

Secondary ion mass spectroscopy

G.E. Mitchell, M.A. Schulz and J.M. White, The reaction of H_2S with adsorbed oxygen atoms on platinum (111) 197 (1988) 379

Silicon

M. Zinke-Allmang, L.C. Feldman, J.R. Patel and J.C. Tully, The morphology of As terminated Si(111) from desorption kinetics 197 (1988) 1

E. Grossman, A. Bensaoula and A. Ignatiev, An XPS study of XeF_2 dry etching of tungsten silicide 197 (1988) 99

D.J. O'Connor, Y.G. Shen, J.M. Wilson and R.J. MacDonald, The role of the electronic structure in charge exchange between low energy ions and surfaces 197 (1988) 277

M.F. Hochella, Jr. and A.H. Carim, A reassessment of electron escape depths in silicon and thermally grown silicon dioxide thin films 197 (1988) L260

E. Louis and F. Flores, Many-body effects in the Si(111)7 × 7 reconstructed surface 197 (1988) L269

P. Morgen, M. Szymonski, J. Onsgaard, B. Jørgensen and G. Rossi, Formation of the Pt–Si(111) interface 197 (1988) 347

Silicon oxide

M.F. Hochella, Jr. and A.H. Carim, A reassessment of electron escape depths in silicon and thermally grown silicon dioxide thin films 197 (1988) L260

Silver

D. Heskett, L.E. Urbach, K.J. Song, E.W. Plummer and H.L. Dai, Oxygen and pyridine on Ag(110) studied by second harmonic generation: coexistence of two phases within monolayer pyridine coverage 197 (1988) 225

Y.T. Wang and K.C. Lee, The correlation between surface plasma resonance and surface enhanced Raman scattering 197 (1988) 239

R.J. Madix, J.L. Solomon and J. Stöhr, The orientation of the carbonate anion on Ag(110) 197 (1988) L253

Solid–electrolyte interface

D.S. Bethune, A.C. Luntz, J.K. Sass and D.K. Roe, Optical analysis of thin-layer electrochemical cells for infrared spectroscopy of adsorbates 197 (1988) 44

Sulphides

S.Y. Yousif and H.A. Kassim, Anionic dipole polarizabilities at the surfaces of alkaline earth oxides and sulfides 197 (1988) 509

Surface defects

R. Huzimura, H. Kurisu and T. Okuda, Interaction of CO with surface defects of MgO: a high vacuum ESR study 197 (1988) 444

Surface plasmons

Y.T. Wang and K.C. Lee, The correlation between surface plasma resonance and surface enhanced Raman scattering 197 (1988) 239

J.B.D. Soole and H.P. Hughes, Roughness-coupled light emission from tunnel junctions: the role of the fast surface plasmon 197 (1988) 250

U. Diebold, A. Preisinger, P. Schattschneider and P. Varga, Angle resolved electron energy loss spectroscopy on graphite 197 (1988) 430

Surface segregation

W. Unger, Comment on 'XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy' by M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya 197 (1988) L292

M.S. Hegde, Reply to "Comment on 'XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy' " by W. Unger 197 (1988) L294

J.A. Barnard, P. Wynblatt, W.C. Johnson and W.W. Mullins, Surface segregation in solid and liquid Sn–Pb alloys 197 (1988) 363

Surface states

R. Drube, V. Dose and A. Goldmann, Empty electronic states at the (1×1) and (5×20) surfaces of Pt(100): an inverse photoemission study 197 (1988) 317

E. Louis and F. Flores, Many-body effects in the Si(111)7×7 reconstructed surface 197 (1988) L269

Surface structure, see also Low energy electron diffraction

C.B. Duke, A. Paton, Y.R. Wang, K. Stiles and A. Kahn, Dynamical analysis of low-energy electron diffraction intensities from CdSe($10\bar{1}0$) 197 (1988) 11

Thermal desorption

M. Zinke-Allmang, L.C. Feldman, J.R. Patel and J.C. Tully, The morphology of As terminated Si(111) from desorption kinetics 197 (1988) 1

J.M. Vohs and M.A. Barteau, Spectroscopic characterization of surface formates produced via reaction of HCOOH and $HCOOCH_3$ on the (0001) surface of zinc oxide 197 (1988) 109

J.L. Davis and M.A. Barteau, The influence of oxygen on the selectivity of alcohol conversion on the Pd(111) surface 197 (1988) 123

N.J. Tro and S.M. George, Temperature-programmed spectroscopy for surface kinetic analysis: absorption and laser-induced fluorescence techniques 197 (1988) L246

T. Matsushima, Angular distribution of the combinative desorption of nitrogen atoms on Ru(001) surfaces 197 (1988) L287

G.E. Mitchell, M.A. Schulz and J.M. White, The reaction of H_2S with adsorbed oxygen atoms on platinum (111) 197 (1988) 379

Tunneling

J.B.D. Soole and H.P. Hughes, Roughness-coupled light emission from tunnel junctions: the role of the fast surface plasmon 197 (1988) 250

Water

J.A. Rodriguez and C.T. Campbell, A quantum-chemical study of the adsorption of water, formaldehyde and ammonia on copper surfaces and water on ZnO(0001) 197 (1988) 567

X-ray absorption

R.J. Madix, J.L. Solomon and J. Stöhr, The orientation of the carbonate anion on Ag(110) 197 (1988) L253

N. Toreis, X.E. Verykios, S.M. Khalid and G.B. Bunker, Bulk and surface characterization of supported Ag–Au alloy catalysts 197 (1988) 415

Zinc oxide

J.M. Vohs and M.A. Barteau, Spectroscopic characterization of surface formates produced via reaction of HCOOH and $HCOOCH_3$ on the (0001) surface of zinc oxide 197 (1988) 109

C.T. Au, W. Hirsch and W. Hirschwald, Adsorption of carbon monoxide and carbon dioxide on annealed and defect zinc oxide ($000\bar{1}$) surfaces studied by photoelectron spectroscopy (XPS and UPS) 197 (1988) 391

Titanium carbide

S.A. Jansen and R. Hoffmann, Surface chemistry of transition metal carbides: a theoretical analysis 197 (1988) 474

Titanium oxide

K. Tamura, U. Bardi and Y. Nihei, An investigation by angular resolved X-ray photoelectron spectroscopy of strong metal–support interaction (SMSI) in the Pt/TiO_2 system 197 (1988) L281

Tungsten

E. Grossman, A. Bensaoula and A. Ignatiev, An XPS study of XeF_2 dry etching of tungsten silicide 197 (1988) 99

M. Delaunay, R. Geller, J. Debernardi, P. Ludwig and P. Sortais, Electron emission from a metal surface bombarded by highly charged ions 197 (1988) L273